



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: <b>PCT/US99/29950</b></p> <p>(22) International Filing Date: 16 December 1999 (16.12.99)</p> <p>(30) Priority Data:</p> <table> <tr> <td>60/112,809</td> <td>17 December 1998 (17.12.98)</td> <td>US</td> </tr> <tr> <td>60/113,006</td> <td>18 December 1998 (18.12.98)</td> <td>US</td> </tr> </table> <p>(71) Applicant (for all designated States except US): HUMAN GENOME SCIENCES, INC. [US/US]; 9410 Key West Avenue, Rockville, MD 20850 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): RUBEN, Steven, M. [US/US]; 18528 Heritage Hills Drive, Olney, MD 20832 (US). EBNER, Reinhard [DE/US]; 9906 Shelburne Terrace #316, Gaithersburg, MD 20878 (US). ROSEN, Craig, A. [US/US]; 22400 Rolling Hill Road, Laytonsville, MD 20882 (US). ENDRESS, Gregory, A. [US/US]; 9729 Clagett Farm Drive, Potomac, MD 20854 (US). SOPPET, Daniel, R. [US/US]; 15050 Stillfield Place, Centreville, Va 22020 (US). NI, Jian [CN/US]; 5502 Manorfield Road, Rockville, MD 20853 (US). DUAN, D., Roxanne [US/US]; 5515 Northfield Road, Bethesda, MD 20817 (US). MOORE, Paul, A. [GB/US]; 19005 Leatherbark Drive, Germantown, MD 20874 (US). SHI, Yanggu [CN/US]; 437 West Side Drive,</p>		60/112,809	17 December 1998 (17.12.98)	US	60/113,006	18 December 1998 (18.12.98)	US	<p>Apt. 102, Gaithersburg, MD 20878 (US). LAFLEUR, David, W. [US/US]; 3142 Quesada Street, NW, Washington, DC 20015 (US). OLSEN, Henrik, S. [DK/US]; 182 Kendrick Place, #24, Gaithersburg, MD 20878 (US). FLORENCE, Kimberly [US/US]; 12805 Atlantic Avenue, Rockville, MD 20851 (US).</p> <p>(74) Agents: HOOVER, Kenley, K. et al.; Human Genome Sciences, Inc., 9410 Key West Avenue, Rockville, MD 20850 (US).</p> <p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p>	
60/112,809	17 December 1998 (17.12.98)	US							
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<p>(54) Title: 47 HUMAN SECRETED PROTEINS</p> <p>(57) Abstract</p> <p>The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating diseases, disorders, and/or conditions related to these novel human secreted proteins.</p>									

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